

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/003088

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N33/543 G01N21/55

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAES A J ET AL: "A nanoscale optical biosensor: sensitivity and selectivity of an approach based on the localized surface plasmon resonance spectroscopy of triangular silver nanoparticles" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 124, no. 35, 2002, pages 10596-10604, XP002237025 ISSN: 0002-7863 abstract; figures 1-5 ----- -/--	1,2,4,6, 7,9, 11-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

12 January 2005

Date of mailing of the international search report

21. 01. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHENG S-F ET AL: "COLLOIDAL GOLD-MODIFIED OPTICAL FIBER FOR CHEMICAL AND BIOCHEMICAL SENSING"</p> <p>ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 75, no. 1, 1 January 2003 (2003-01-01), pages 16-21, XP001161582 ISSN: 0003-2700 pages 16-17</p>	1-6,9, 11-13
X	<p>LYON L A ET AL: "Surface plasmon resonance of colloidal Au-modified gold films"</p> <p>SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 54, no. 1-2, 25 January 1999 (1999-01-25), pages 118-124, XP004163220 ISSN: 0925-4005 pages 118-119</p>	1-7,9, 11-13
X	<p>HE L ET AL: "Colloidal Au-enhanced surface plasmon resonance for ultrasensitive detection of DNA hybridization"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 122, 2000, pages 9071-9077, XP002206375 ISSN: 0002-7863 page 9072 - page 9073</p>	1-7,9, 11-13
X	<p>WO 01/09388 A (LYON L ANDREW ; GOODRICH GLENN (US); HE LIN (US); NATAN MICHAEL J (US)) 8 February 2001 (2001-02-08) examples 1-3</p>	1-7,9, 11-13
A	<p>WO 99/05315 A (DENSHAM DANIEL HENRY ; MEDICAL BIOSYSTEMS LTD (GB)) 4 February 1999 (1999-02-04) cited in the application the whole document</p>	1-13
A	<p>WO 01/20295 A (TECHNION RES &amp; DEV FOUNDATION ; LIPSON STEPHEN (IL); NOTCOVICH ARIEL ( )) 22 March 2001 (2001-03-22) cited in the application the whole document</p>	1-13
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PCT/GB2004/003088

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>LOCHNER N ET AL: "Silver nanoparticle enhanced immunoassays: one step real time kinetic assay for insulin in serum"</p> <p>EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 56, no. 3, November 2003 (2003-11), pages 469-477, XP004470486</p> <p>ISSN: 0939-6411</p> <p>the whole document</p> <p>-----</p>	<p>1,2,4,6,9,11-13</p>